

Electronic Supplementary Information

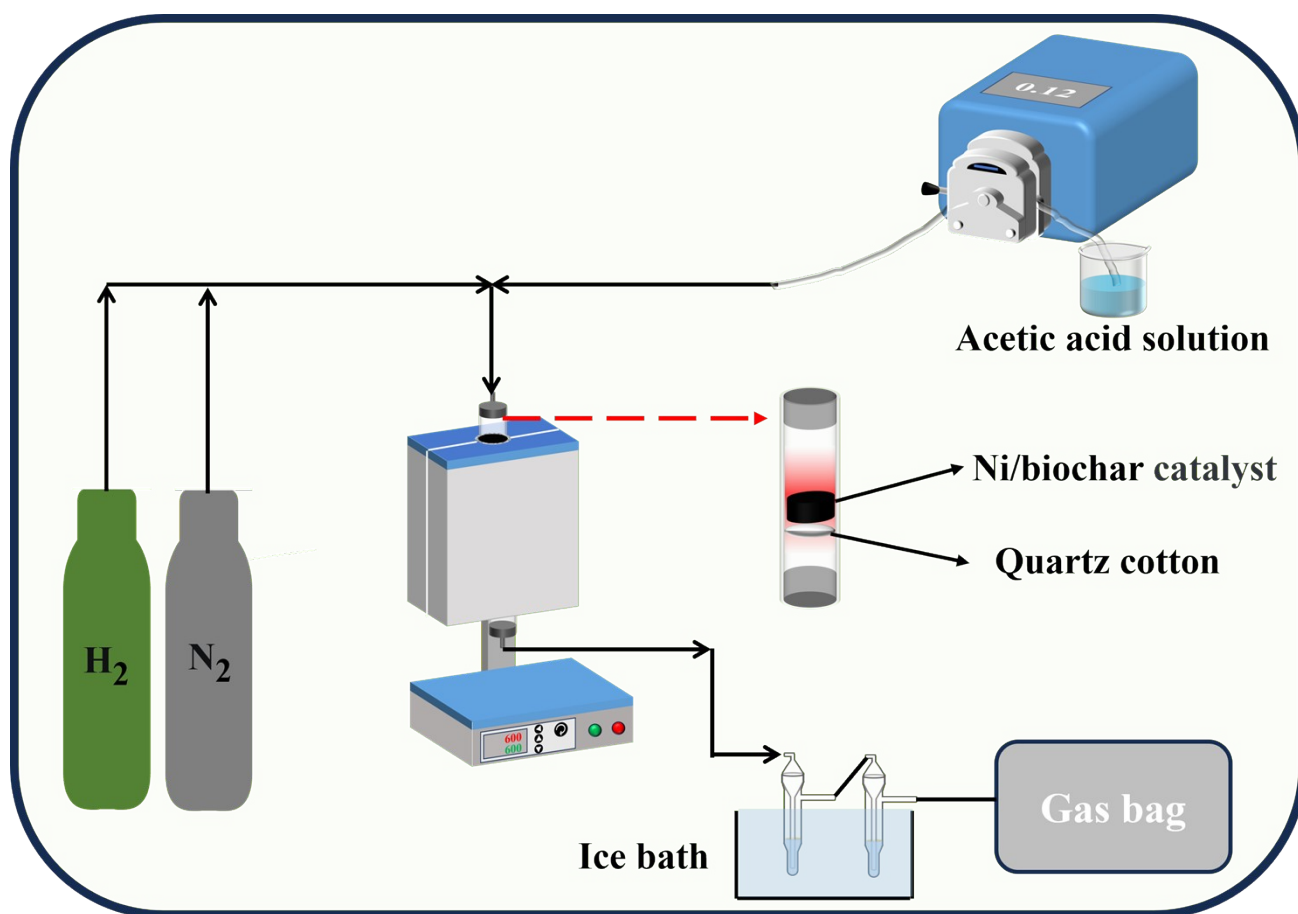


Figure S1. Schematic illustration of the acetic acid steam reforming.

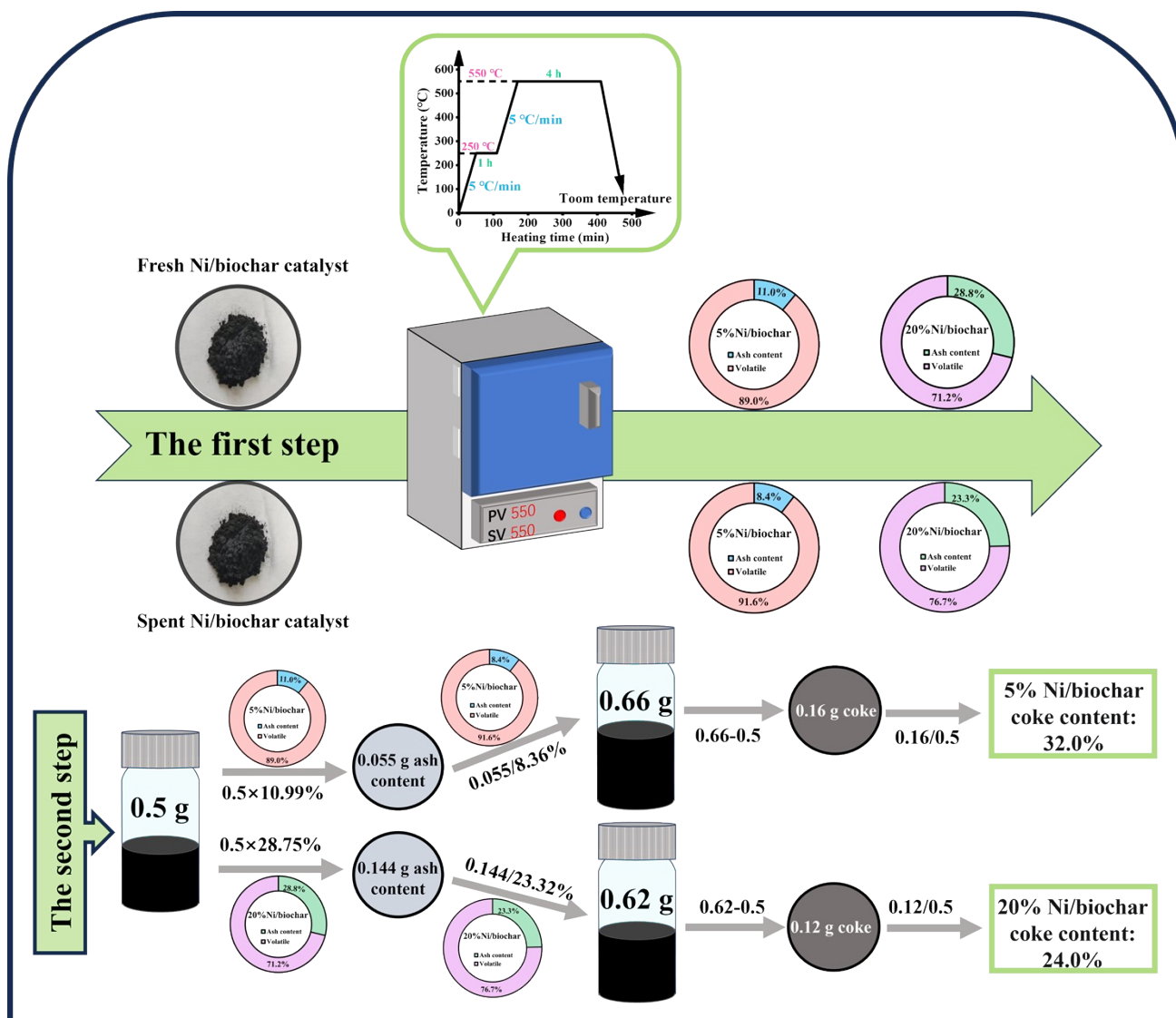


Figure S2. Method for calculating coke formed in the steam reforming.

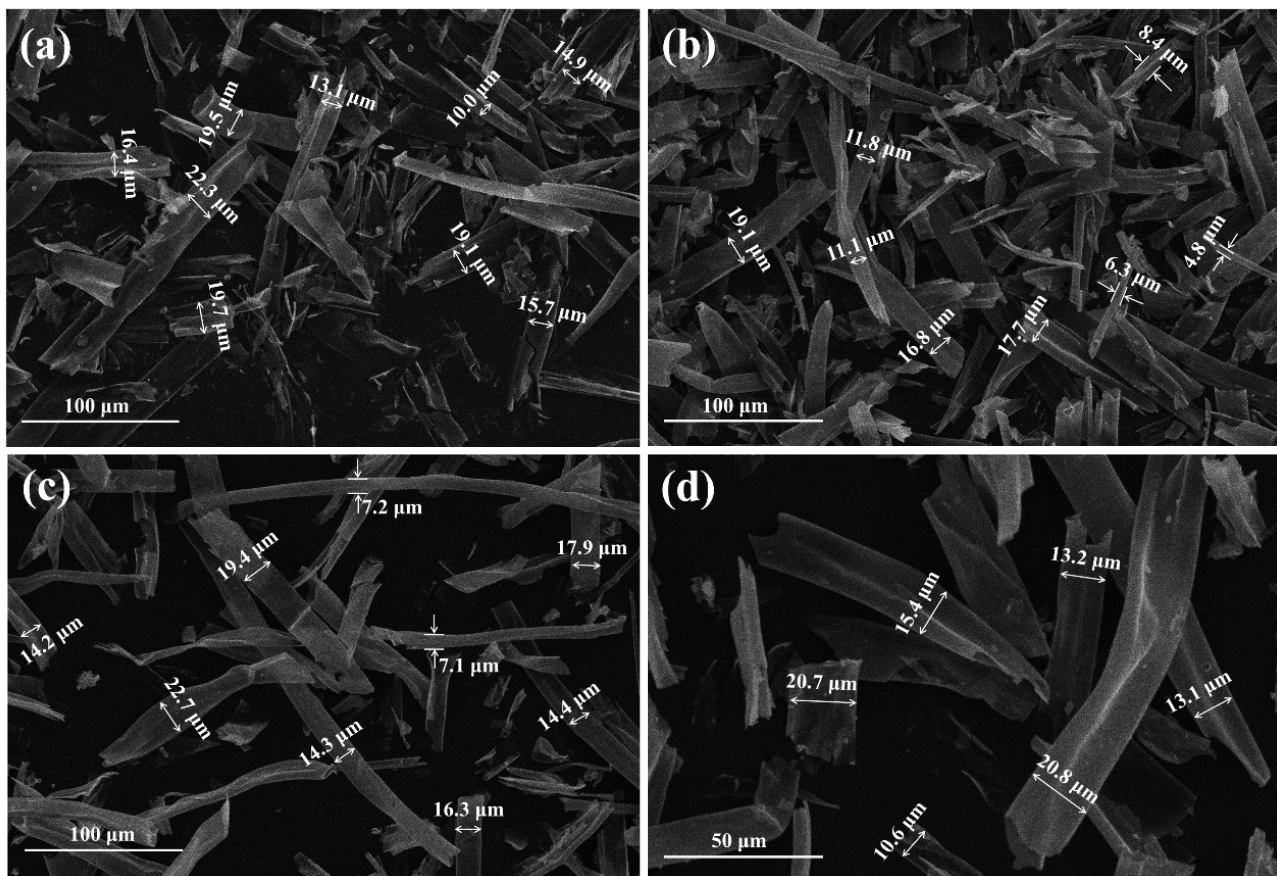


Figure S3. SEM images of Ni/biochar fibrous structures. (a-b): 5% Ni/biochar; (c-d): 20% Ni/biochar.

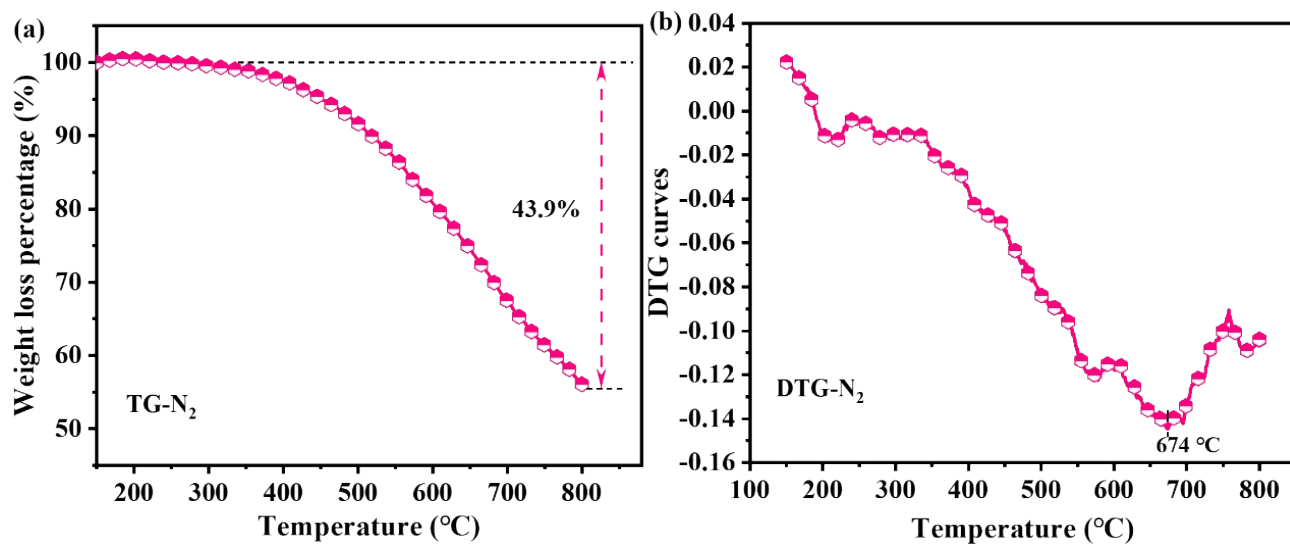


Figure S4. Thermostability of the kapok-derived biochar. (a) TG curves; (d) DTG curves.

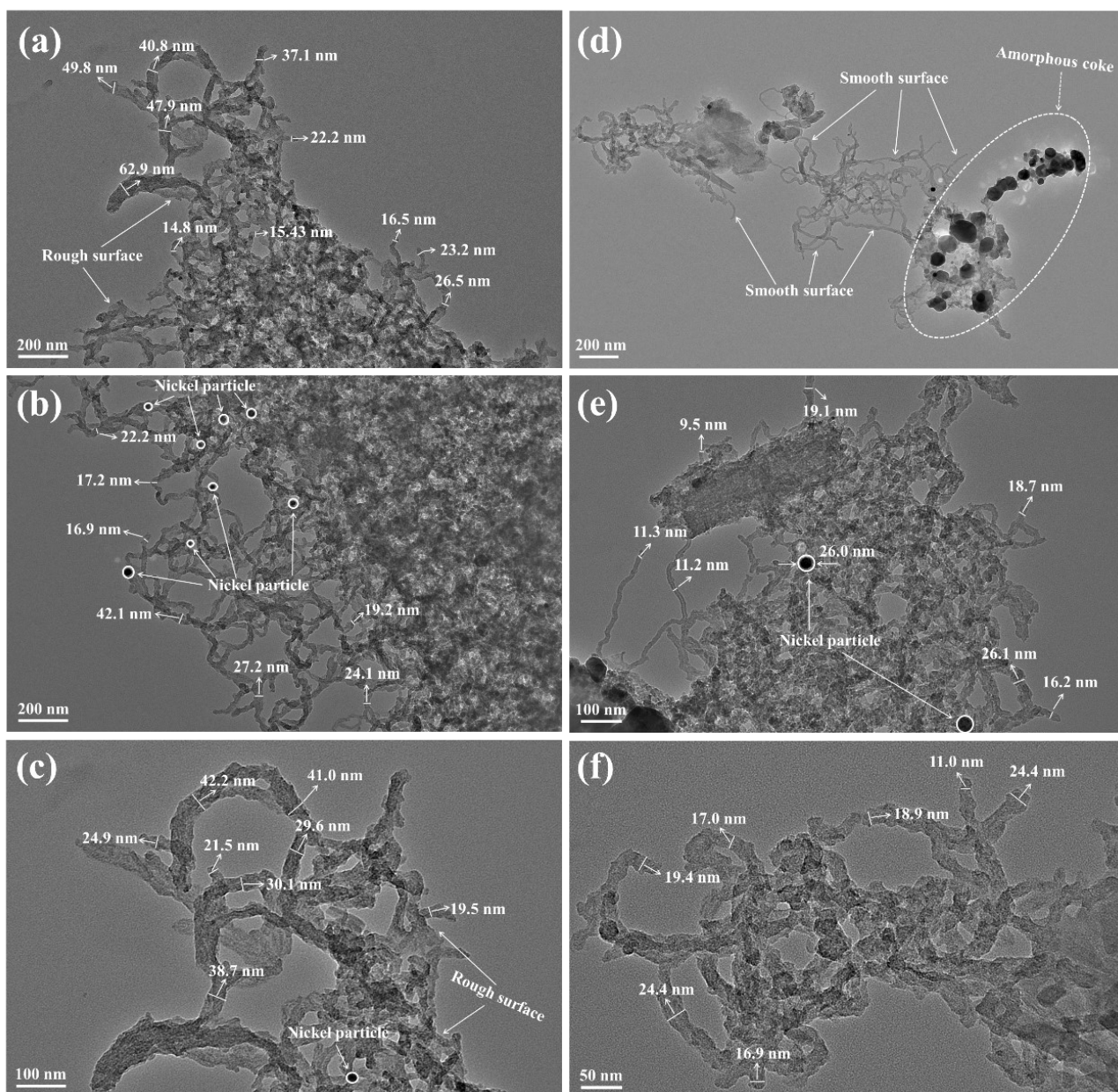


Figure S5. The TEM characterization of the spent catalysts after steam reforming of acetic acid versus the prolonged reaction time. (a-c): 5% Ni/biochar; (d-f): 20% Ni/biochar.